

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P830297

Luminaire Tested: **OHBL-30SE-W-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

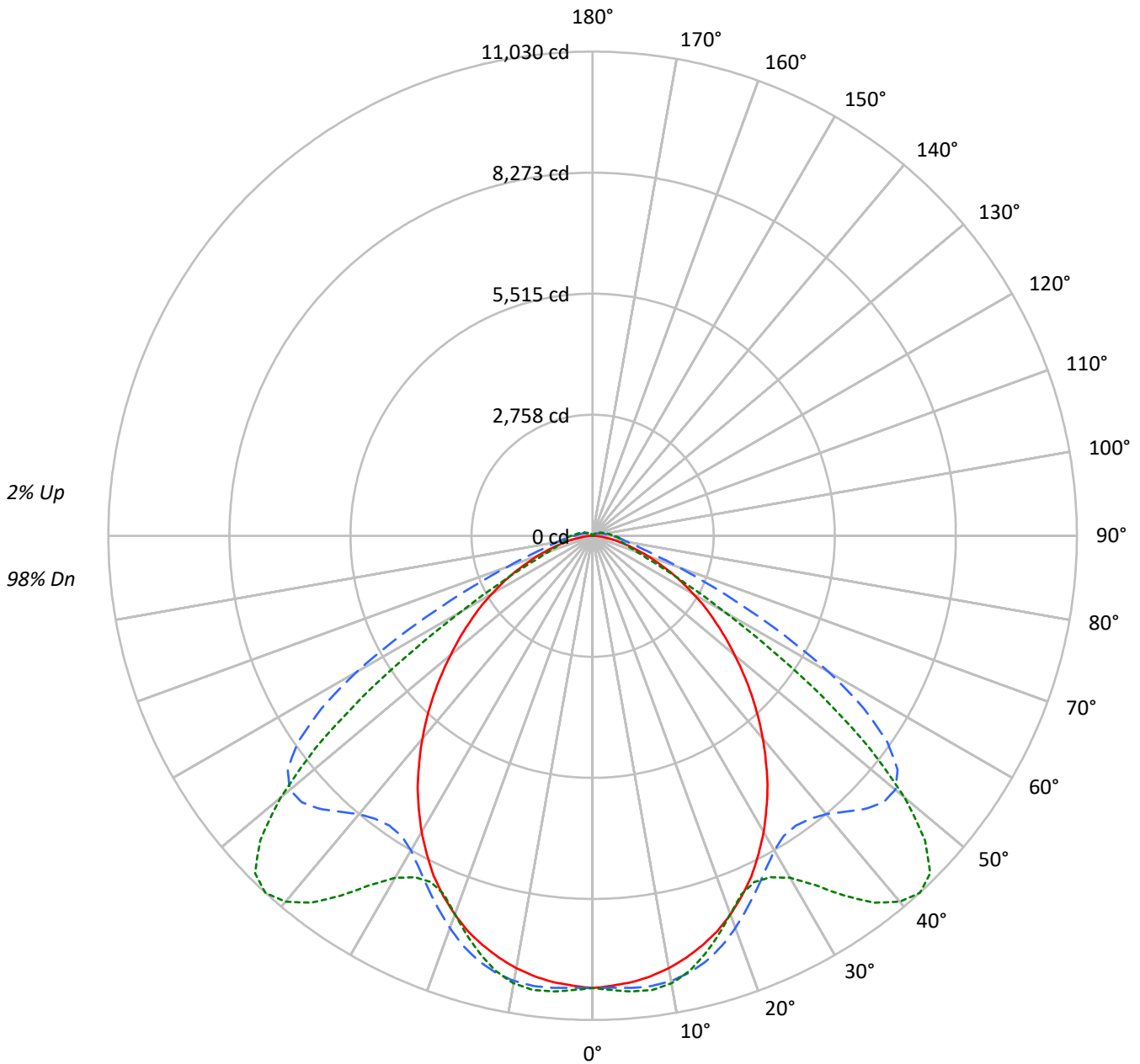
Test Method: LM-79-08  
Report Number: P830297  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-W-UNV-L740-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30849.0 lumens  
Efficiency: N/A  
Efficacy: 177.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P830297  
CATALOG NUMBER: OHBL-30SE-W-UNV-L740-CD

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17597	17597	17597
5°	17433	17573	17712
10°	17215	17546	17646
15°	16879	17256	16996
20°	16419	16662	16081
25°	15803	15944	15674
30°	14985	15411	16769
35°	14050	15695	19500
40°	12966	16998	22387
45°	11833	19281	23873
50°	10651	21321	22012
55°	9540	21293	16634
60°	8409	18013	10032
65°	7215	12438	5970
70°	5861	8040	4206
75°	4459	5760	3760
80°	3201	5057	3990
85°	2172	5554	5548



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CATALOG NUMBER: OHBL-30SE-W-UNV-L740-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	984.6	3.2
10°-20°	2788.0	9.0
20°-30°	4079.8	13.2
30°-40°	5298.4	17.2
40°-50°	6470.0	21.0
50°-60°	5697.9	18.5
60°-70°	2969.2	9.6
70°-80°	1273.3	4.1
80°-90°	611.5	2.0
90°-100°	287.3	0.9
100°-110°	178.6	0.6
110°-120°	105.6	0.3
120°-130°	57.4	0.2
130°-140°	28.8	0.1
140°-150°	13.9	0.0
150°-160°	4.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7852.3	25.5
0°-40°	13150.8	42.6
0°-60°	25318.7	82.1
0°-90°	30172.7	97.8
90°-120°	571.4	1.9
90°-150°	671.5	2.2
90°-180°	676.0	2.2
0°-180°	30849.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10303	10303	10303	10303	10303	
5°	10207	10285	10341	10432	10421	968
15°	9658	9930	10025	9950	9870	2720
25°	8558	9016	8863	8696	8705	3927
35°	6946	7680	8065	9405	10007	4330
45°	5115	6435	8796	10650	10872	3944
55°	3405	5637	8191	7182	6384	3056
65°	1954	3906	3750	2085	1794	1933
75°	787	1827	1205	825	782	858
85°	167	651	614	600	607	186
90°	2	236	405	462	474	12
95°	4	138	322	378	389	3
105°	9	78	209	251	256	9
115°	13	44	129	158	162	14
125°	16	22	76	98	100	13
135°	13	13	36	60	62	10
145°	18	13	16	29	33	10
155°	18	18	13	13	13	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10303.0	10303.0	10303.0	10303.0	10303.0
2.5°	10258.5	10303.0	10305.2	10367.5	10360.8
5°	10207.4	10285.2	10340.8	10431.9	10420.8
7.5°	10123.0	10245.2	10343.0	10443.0	10434.2
10°	10002.9	10169.6	10298.6	10380.8	10354.1
12.5°	9847.3	10067.4	10194.1	10211.9	10160.7
15°	9658.4	9929.6	10025.1	9949.6	9869.5
17.5°	9445.0	9762.8	9796.2	9631.7	9531.7
20°	9178.2	9540.6	9507.2	9280.5	9169.3
22.5°	8882.6	9296.0	9189.3	8951.5	8844.8
25°	8558.0	9016.0	8862.6	8695.9	8704.8
27.5°	8177.9	8698.1	8549.2	8624.7	8767.0
30°	7791.2	8364.7	8273.5	8713.7	8993.7
32.5°	7366.6	8022.3	8104.6	8973.7	9431.6
35°	6946.5	7680.0	8064.6	9405.0	10007.4
37.5°	6481.9	7333.2	8129.0	9902.9	10534.2
40°	6030.6	6995.4	8275.7	10349.7	10883.2
42.5°	5570.5	6693.1	8522.5	10614.2	11029.9
45°	5114.8	6435.2	8795.9	10649.8	10872.1
47.5°	4659.1	6217.4	8984.8	10367.5	10265.2
50°	4219.0	6024.0	8998.2	9689.5	9271.6
52.5°	3807.8	5846.1	8753.7	8609.2	7960.1
55°	3405.4	5637.2	8191.3	7182.1	6384.1
57.5°	3038.7	5348.2	7324.4	5648.3	4776.9
60°	2649.7	4957.0	6204.0	4132.3	3445.4
62.5°	2291.8	4470.2	4948.1	2876.4	2476.3
65°	1953.9	3905.6	3750.0	2085.1	1793.9
67.5°	1596.0	3321.0	2767.5	1520.4	1333.7
70°	1315.9	2778.6	2060.6	1182.6	1073.6
72.5°	1029.2	2262.9	1540.4	960.3	900.3
75°	786.9	1827.2	1204.8	824.7	782.5
77.5°	580.2	1444.9	969.2	729.1	689.1
80°	406.8	1138.1	811.3	651.3	635.7
82.5°	273.4	880.3	691.3	620.2	622.4
85°	166.7	651.3	613.5	600.2	606.8
87.5°	80.0	462.4	526.8	546.8	553.5
90°	2.2	235.6	404.6	462.4	473.5
92.5°	0.0	180.1	355.7	413.5	424.6
95°	4.4	137.8	322.3	377.9	389.0
97.5°	4.4	113.4	289.0	346.8	353.4
100°	6.7	97.8	257.9	313.4	320.1
102.5°	6.7	86.7	231.2	280.1	284.5
105°	8.9	77.8	208.9	251.2	255.6



TEST NUMBER: P830297

CATALOG NUMBER: OHBL-30SE-W-UNV-L740-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.3	53.3	146.7	177.8	182.3
115°	13.3	44.5	128.9	157.8	162.3
117.5°	15.6	40.0	113.4	140.0	142.3
120°	15.6	33.3	97.8	124.5	126.7
122.5°	15.6	26.7	86.7	111.1	113.4
125°	15.6	22.2	75.6	97.8	100.0
127.5°	13.3	15.6	64.5	86.7	88.9
130°	13.3	13.3	53.3	75.6	80.0
132.5°	13.3	13.3	44.5	66.7	71.1
135°	13.3	13.3	35.6	60.0	62.2
137.5°	13.3	13.3	28.9	51.1	55.6
140°	13.3	13.3	22.2	44.5	46.7
142.5°	15.6	13.3	20.0	37.8	40.0
145°	17.8	13.3	15.6	28.9	33.3
147.5°	17.8	15.6	15.6	24.5	26.7
150°	17.8	17.8	13.3	17.8	22.2
152.5°	17.8	17.8	13.3	13.3	17.8
155°	17.8	17.8	13.3	13.3	13.3
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	11.1	68.9	186.7	224.5	229.0
110°	11.1	60.0	164.5	200.1	204.5



(END OF REPORT)